

TECHNICAL REPORT TITLE PAGE

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HR-394

2. REPORT DATE

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3. TITLE AND SUBTITLE

Transportation Program Management System

4. TYPE OF REPORT & PERIOD COVERED

Final Report, March 1999 to September 2003

5. AUTHOR(S)

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7. ACKNOWLEDGMENT OF COOPERATING ORGANIZATIONS/INDIVIDUALS

8. ABSTRACT

HR-394 was a software and database development project. Via funding provided by the Iowa Highway Research Board, the Iowa County Engineer's Association Service Bureau oversaw the planning and implementation of an Internet based application that supports two major local-government transportation project activities: Project Programming and Development tracking. The goals were to reduce errors and inconsistencies, speed up the processes, link people to both project data and each other, and build a framework that could eventually support a 'paperless' workflow. The work started in 1999 and initial development was completed by the fall of 2002.

Since going live, several 'piggy back' applications have been required to make the Programming side better fit actual work procedures. This part of the system has proven adequate but will be rewritten in 2004 to make it easier to use. The original development side module was rejected by the users and so had to be rewritten in 2003. The second version has proven much better, is heavily used, and is interconnected with Iowa DOT project data systems.

Now that the system is in operation, it will be maintained and operated by the ICEA Service Bureau as an ongoing service function.

9. KEY WORDS

Transportation program management,
Project programming,
Project development tracking

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